

What is claimed is:

1. A photography system using a digital camera and a position detecting unit, said position detecting unit being disposed close to an object, said photography system comprising:

a first position detecting device for detecting latitude and longitude coordinates of said object to generate object position data from information on said latitude and longitude coordinates of said object; and

a transmitting device for transmitting said object position data to said digital camera,

wherein said digital camera includes:

an image pickup device for photographing said object and outputting image data;

a receiving device for receiving said object position data;

a second position detecting device for detecting said latitude and longitude coordinates of said digital camera to generate digital camera position data from information on said latitude and longitude coordinates of said digital camera;

calculating means for calculating camera azimuth and object distance according to said object position data and said digital camera position data; and

recording means for recording information of at least one of said latitude and longitude coordinates of said object, said latitude and longitude coordinates of said digital camera, said camera azimuth and said object distance, in association with said image data.

2. A photography system as recited in claim 1, wherein said first position detecting device and said second position detecting device include GPS modules respectively.

3. A photography system as recited in claim 1, wherein said transmitting device and said receiving device transmit/receive data via radio waves or a relay system.

4. A photography system as recited in claim 1, wherein said transmitting device and said receiving device are dielectric antennas.

5. A photography system as recited in claim 1, at least one information on said latitude and longitude coordinates of said object, said latitude and longitude coordinates of said digital camera, said camera azimuth, and said object distance, is recorded as tag information which constitutes said image file.

6. A photography system as recited in claim 1, said position detecting unit comprising:

a main body;

a radio antenna having directivity for sending a radio signal, and being mounted to said main body, wherein said main body works as a reflector;

a GPS module; and

support members for supporting said main body in such a way that a distance between a bottom of said support member and said radio antenna is equal to or

longer than one wavelength of said radio signal.

7. A photography method using a digital camera and a position detecting unit, said position detecting unit being disposed close to an object, said photography method comprising the steps of:

detecting latitude and longitude coordinates of said object by first position detecting device provided in said position detecting unit, and generating object position data from information on said latitude and longitude coordinates of said object;

transmitting said object position data from said position detecting unit to said digital camera;

receiving said object position data by said digital camera;

detecting latitude and longitude coordinates by second position detecting device provided in said digital camera, and generating digital camera position data from information on said latitude and longitude coordinates;

calculating camera azimuth and object distance according to said object position data and said camera position data; and

recording information of at least one of said latitude and longitude coordinates of said object, said latitude and longitude coordinates of said digital camera, said camera azimuth and said object distance, in association with object image data.

8. A photography method as claimed in claim 7, wherein said first position detecting device and said

wherein said first position detecting device and said second position detecting device include GPS modules respectively.

9. A photography method as claimed in claim 7, wherein said transmitting device and said receiving device transmit/receive data via radio waves or a relay system.

10. A photography method as claimed in claim 7, wherein said digital camera and said position detecting unit includes dielectric antennas respectively.

11. A photography method as claimed in claim 7, wherein at least one information on said latitude and longitude coordinates of said object, said latitude and longitude coordinates of said digital camera, said camera azimuth, and said object distance, is recorded as tag information which constitutes an image file.

12. A photography method as claimed in claim 7, said position detecting unit comprising:

- a main body;

- a radio antenna having directivity for sending a radio signal, and being mounted to said main body, wherein said main body works as a reflector;

- a GPS module; and

- support members for supporting said main body in such a way that a distance between a bottom of said support member and said radio antenna is set to be equal to or longer than one wavelength of said radio signal.